

Attorney Docket No.: RO-11,003

PATENT

#15/B  
3/17/01

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: ROBERT W. BROCIA

Serial No.: 09/005,711

Group Art Unit: 1643

Filed: January 12, 1998

Examiner: R. Gitomer

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**APR 18 2001**

**TECH CENTER 1600/2900**

For: METHOD TO DETERMINE THE ACTIVITY OF AN ENZYME

**PRELIMINARY AMENDMENT**

This amendment is being submitted in response to the Office Action dated February 4, 1999 in the parent case.

**IN THE CLAIMS**

Please cancel claims 12-22. Please add new claims 23-30:

23. (New) A method for measuring activity of a protein that transports substances among donor/acceptor substances comprising:
- (a) obtaining a sample comprising said protein;
  - (b) incubating said sample with (i) a donor substance labeled with a light emitter wherein light emitted from said light emitter increases with increasing activity of said protein and (ii) an acceptor dependent concentration light emission intensity quencher, wherein quenching of said light emission intensity increases with concentration of acceptor present in said sample, wherein said quencher acts as a normalization factor and
  - (c) detecting light emission intensity to determine activity of said protein.

*correlating*

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**AMENDMENT FEE TRANSMITTAL**

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

Transmitted herewith is an Amendment for the above-identified application.

No fee is required for this Amendment.

Respectfully submitted,

Dated:

4/17/01

Cheryl H. Agis

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